

UNITED STATES PATENT AND TRADEMARK OFFICE



APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/620,056	07/14/2003	Peter Dickey	249212022400 7667 EXAMINER		
25226 7:	590 08/20/2004				
MORRISON & FOERSTER LLP			CRAWFORD, GENE O		
755 PAGE MILL RD PALO ALTO, CA 94304-1018			ART UNIT	PAPER NUMBER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Canada Cana		Application No.	Applicant(s)				
Gene O. Crawford Gene O. Crawford 3651 Gene O. Crawford 3651 A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of insurancy be availated the provisions of 3 CER 1.136(a). In no event, however, may a noply be timaly filled 1 the period for reply specified above is less than thirty (30) days, as reply within the statetary minimum of thirty (30) days, will be considered timely. 1 the period for reply specified above, the maximum stations period will again stall, GMAINTH Stom the mainting date of this communication. 1 the period for reply specified above, the maximum stations period will again stall, GMAINTH Stom the mainting date of this communication, even if limely filled, may reduce any search gated time adjustment. Sea 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on		10/620,056	DICKEY ET AL.				
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Educations of time may be available used the previous of 3 CSR 1.138(a). In a overal, however, may a reply be timely filled ### If the period for reply specified above is less has hirty (30) steps, a reply within the statisticy minimum of thinty (30) days will be considered timely. ### If the period for reply specified above is less has hirty (30) steps, a reply with the statisticy minimum of thinty (30) days will be considered timely. ### If No period for reply specified above is less has hirty (30) steps, a reply with the statistic reply in the period for reply specified above. The mailing date of this communication, over if timely filled, may resize a say carried patent term adjustment. Sea 37 CFR 1.704(b). #### PROPERTY OF THE PROPERTY OF	Office Action Summary	Examiner	Art Unit				
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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Hanaoka et al.

With regard to claims 1-12 and 24-30, the storage library and method of including media drives in a storage library disclosed by Hanaoka et al. includes all the claimed features and in particular includes: (claims 1, 24) a media drive module 12a, 12b, 12c, 12d having a frame 12 configured to support a media drive 540, a power supply, and interface electronics (column 27, line 27 thru column 28, line 25); a library housing 2 having storage bins 15, 175, a mechanism 14 transferring storage devices; and openings for receiving media drive modules 12a, 12b, 12c, 12d (figure 8); (claims 2-5, 25-27) the frame 12 including one or more slots for receiving at least four media drives 540 (figure 8); (claim 6) the media drive 540 being operable to receive and release a storage device; (claims 7, 28) the storage device including a magnetic tape cartridge 588; (claims 8, 9) the media drive 540 including a magnetic tape drive including power supplies to support four drives; (claims 10, 11) the drive modules including interface communications for communicating with a library controller (column 27, line 27 thru column 28, line 25); (claims 12, 29) the library housing including an open architecture

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for receiving the drive module 12 (figure 8); and (claim 30) the frame being removable from the storage library housing (figure 8).

With regard to claims 13-23, the modular device disclosed by Hanaoka et al. includes all the claimed features and in particular includes: (claims 13-15) a frame 12 configured to including one or more media drives 540, a power supply, and interface communications (column 27, line 27 thru column 28, line 25); the frame 12 including at least one slot for receiving the one or more media drives 540; the frame adapted for modular insertion within the storage library 2 (figure 8); (claims 16-18) the frame configured to include at least four media drives 540; (claim 19) the media drive 540 being operable to receive and release a storage device; (claim 20) the storage device including a magnetic tape cartridge 588; (claims 21, 22) the media drive 540 including a magnetic tape drive including power supplies to support four drives; and (claims 23) the drive modules including interface communications for communicating with a library controller (column 27, line 27 thru column 28, line 25).

Allowable Subject Matter

- 3. Claim 31 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. The following is a statement of reasons for the indication of allowable subject matter: a method for including media drives in a storage library including the unique step of 'testing the operation of at least one of the media drives, the power supply, and

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the interface communication electronics before modularly adding the frame to the storage library housing' in combination with the rest of the claim language is not taught or fairly suggested by the prior art.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following are cited to show the art with respect to modular media drives for data storage libraries: Kusunoki, Kappel et al., Bosley et al., and Campbell et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gene O. Crawford whose telephone number is 703/305-9733. The examiner can normally be reached on Monday thru Thursday.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Primary Examiner

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